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(19) **United States**(12) **Patent Application Publication****Tachi et al.**(10) **Pub. No.: US 2010/0151426 A1**(43) **Pub. Date: Jun. 17, 2010**(54) **ELECTRIC TACTILE DISPLAY**

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(57) **ABSTRACT**

An electro-tactile display includes an electrode substrate provided with a plurality of stimulation electrodes, a conductive gel layer positioned between the stimulation electrodes and the skin of a wearer, a switching circuit section electrically connected to the stimulation electrodes, a stimulation pattern generating section electrically connected to the switching circuit, and means for alleviating a sensation experienced by the wearer as a result of the stimulation electrodes. In one aspect, the means for alleviating a sensation is configured from the conductive gel layer. The conductive gel layer has a resistance value equivalent to that of the horny layer of the skin. In another aspect, the means for alleviating a sensation is configured from the stimulation determination means and the threshold value adjustment means.

